Refine Search

Search Results -

Terms	Documents
L10 and (natural adj language)	48

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L11

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, July 19, 2007 **Purge Queries** Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT; PLUR=YES; OP=OR		
L11	L10 and (natural adj language)	48	L11
L10	L9 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider)	302	L10
L9	L8 and (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223")	40244	L9
L8	(704.clas. or 706.clas. or 707.clas. or 709.clas. or 717.clas.)	141706	L8
L7	(Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.)	3	L7
L6	09/869,205	0	L6
L5	L3 and (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.)	0	L5
L4	L3 and (Sadek-David.in. and Bretier-Philippe.in. and Panaget-Franck.in.)	0	L4
L3	(706.clas. or 707.clas. or 709.clas. or 717.clas.)	122940	L3
L2	dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj	0	L2

statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement)

DB=PGPB; PLUR=YES; OP=OR

L1	dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement).CLM.	0	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L11 and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	3

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L12

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, July 19, 2007 Purge Queries | Printable Copy | Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT; PLUR=YES; OP=OR		
L12	L11 and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	3	L12
L11	L10 and (natural adj language)	48	L11
L10	L9 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider)	302	L10
L9	L8 and (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223")	40244	L9
L8	(704.clas. or 706.clas. or 707.clas. or 709.clas. or 717.clas.)	141706	L8

L7	(Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.)	3	L7
L6	09/869,205	0	L6
L5	L3 and (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.)	0	L5
L4	L3 and (Sadek-David.in. and Bretier-Philippe.in. and Panaget-Franck.in.)	0	L4
L3	(706.clas. or 707.clas. or 709.clas. or 717.clas.)	122940	L3
L2	dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement)	0	L2
	DB=PGPB; PLUR=YES; OP=OR		
L1	dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement).CLM.	0	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L13 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	4

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L14

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, July 19, 2007 Purge Queries | Printable Copy | Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT; PLUR=YES; OP=OR		
L14	L13 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	4	L14
L13	(@ad<"19981223" or @rlad<"19981223" or @prad<"19981223")	3065066	L13

L12	L11 and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	3	L12
L11	L10 and (natural adj language)	48	L11
L10	L9 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider)	302	L10
L9	L8 and (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223")	40244	L9
L8	(704.clas. or 706.clas. or 707.clas. or 709.clas. or 717.clas.)	141706	L8
L7	(Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.)	3	L7
L6	09/869,205	0	L6
L5	L3 and (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.)	0	L5
L4	L3 and (Sadek-David.in. and Bretier-Philippe.in. and Panaget-Franck.in.)	0	L4
L3	(706.clas. or 707.clas. or 709.clas. or 717.clas.)	122940	L3
L2	dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement)	0	L2
	DB=PGPB; PLUR=YES; OP=OR		
L1	dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement).CLM.	0	L1

END OF SEARCH HISTORY

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 20060155398 A1

L14: Entry 1 of 4 File: PGPB Jul 13, 2006

PGPUB-DOCUMENT-NUMBER: 20060155398
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060155398 A1

TITLE: Adaptive pattern recognition based control system and method

PUBLICATION-DATE: July 13, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hoffberg; Steven	West Harrison	NY	US
Hoffberg-Borghesani; Linda	Acton	MA	US

US-CL-CURRENT: 700/86; 700/87

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

2. Document ID: US 20020010775 A1

L14: Entry 2 of 4 File: PGPB Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010775
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010775 A1

TITLE: Method and apparatus for transmitting and displaying information between a remote network and a local computer

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rakavy, Yuval	Jerusalem		IL
Barkat, Eli	Jerusalem		IL

US-CL-CURRENT: 709/224; 709/232

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

3. Document ID: US 7006881 B1

L14: Entry 3 of 4 File: USPT Feb 28, 2006

US-PAT-NO: 7006881
DOCUMENT-IDENTIFIER: US 7006881 B1

TITLE: Media recording device with remote graphic user interface

DATE-ISSUED: February 28, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven	West Harrison	NY	10604	US
Hoffberg-Borghesani; Linda	Acton	MA	01720	US

US-CL-CURRENT: 700/83; 700/17, 700/18, 700/65, 700/66, 700/86, 700/87, 704/200, 704/201, 704/7, 709/200, 709/201, 709/202, 725/116, 725/19, 725/20, 725/37, 725/41

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

4. Document ID: US 6539429 B2

L14: Entry 4 of 4 File: USPT Mar 25, 2003

US-PAT-NO: 6539429
DOCUMENT-IDENTIFIER: US 6539429 B2

TITLE: Method and apparatus for transmitting and displaying information between a remote network and a local computer

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rakavy; Yuval	Jerusalem			IL
Barkat; Eli	Jerusalem			IL

US-CL-CURRENT: 709/224; 709/203, 709/225

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L13 and (dialogue or chat or communication or conference or conversation or converse or	

dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	4

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Refine Search

Search Results -

Terms	Documents
L15 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	4

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L16

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, July 19, 2007 Purge Queries | Printable Copy | Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L16	L15 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	4	L16
L15	(@ad<"19981223" or @rlad<"19981223" or @prad<"19981223")	20602941	L15

DB=PGPB,USPT; PLUR=YES; OP=OR

L14	L13 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	4	L14
L13	(@ad<"19981223" or @rlad<"19981223" or @prad<"19981223")	3065066	L13
L12	L11 and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	3	L12
L11	L10 and (natural adj language)	48	L11
L10	L9 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider)	302	L10
L9	L8 and (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223")	40244	L9
L8	(704.clas. or 706.clas. or 707.clas. or 709.clas. or 717.clas.)	141706	L8
L7	(Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.)	3	L7
L6	09/869,205	0	L6
L5	L3 and (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.)	0	L5
L4	L3 and (Sadek-David.in. and Bretier-Philippe.in. and Panaget-Franck.in.)	0	L4
L3	(706.clas. or 707.clas. or 709.clas. or 717.clas.)	122940	L3
L2	dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement)	0	L2

DB=PGPB; PLUR=YES; OP=OR

L1	dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement).CLM.	0	L1

END OF SEARCH HISTORY

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 20060155398 A1

L16: Entry 1 of 4 File: PGPB Jul 13, 2006

PGPUB-DOCUMENT-NUMBER: 20060155398
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060155398 A1

TITLE: Adaptive pattern recognition based control system and method

PUBLICATION-DATE: July 13, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hoffberg; Steven	West Harrison	NY	US
Hoffberg-Borghesani; Linda	Acton	MA	US

US-CL-CURRENT: 700/86; 700/87

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

2. Document ID: US 20020010775 A1

L16: Entry 2 of 4 File: PGPB Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010775
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010775 A1

TITLE: Method and apparatus for transmitting and displaying information between a remote network and a local computer

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rakavy, Yuval	Jerusalem		IL
Barkat, Eli	Jerusalem		IL

US-CL-CURRENT: 709/224; 709/232

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

3. Document ID: US 7006881 B1

L16: Entry 3 of 4 File: USPT Feb 28, 2006

US-PAT-NO: 7006881
DOCUMENT-IDENTIFIER: US 7006881 B1

TITLE: Media recording device with remote graphic user interface

DATE-ISSUED: February 28, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven	West Harrison	NY	10604	US
Hoffberg-Borghesani; Linda	Acton	MA	01720	US

US-CL-CURRENT: 700/83; 700/17, 700/18, 700/65, 700/66, 700/86, 700/87, 704/200, 704/201, 704/7, 709/200, 709/201, 709/202, 725/116, 725/19, 725/20, 725/37, 725/41

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw D

4. Document ID: US 6539429 B2

L16: Entry 4 of 4 File: USPT Mar 25, 2003

US-PAT-NO: 6539429
DOCUMENT-IDENTIFIER: US 6539429 B2

TITLE: Method and apparatus for transmitting and displaying information between a remote network and a local computer

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rakavy; Yuval	Jerusalem			IL
Barkat; Eli	Jerusalem			IL

US-CL-CURRENT: 709/224; 709/203, 709/225

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L15 and (dialogue or chat or communication or conference or conversation or converse or	

dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))	4

Display Format: - Change Format

Previous Page Next Page Go to Doc#

STIC
Scientific & Technical Information Center

TC2100 Electronic Information Center

SERVICES
Database Search submit
PLUS Search submit
Book/Article Delivery submit
Book/Journal Purchase submit
Foreign Patents submit
Virtual EIC
Translation submit
SIRA Automation Training
STIC Demos & Events

RESOURCES
STIC Online Catalog
New Resources
Databases
EEDD
E-Books search
E-Journals search
Legal Tools
Nanotechnology
Reference Tools
Search Templates
Traditional Knowledge and Medicine

STIC
About Us
FAQ
Locations & Hours
News
Site Map
Staff

Search STIC Site
GO

TC2100 Databases

TC2100 E-Books

TC2100 E-Journals

TC2100 Reference Tools

TC2100 Search Templates

TC2100 Examiner Recommended Sites

EIC2100 & ITRP Staff

If you cannot access a file because of a missing or non-working plugin, please contact the Help Desk at 2-9000 for installation assistance.

Last modified 04/11/2007 07:44:18

IEEE Xplore RELEASE 2.3

Welcome United States Patent and Trademark Office

OPTION 1
Enter keywords or phrases, select fields, and select operators Help

[ ] in All Fields
AND [ ] in All Fields
AND [ ] in All Fields

[redacted]

» Note: If you use all three search boxes, the entries in the first two boxes take precedence over the entry in the third box.

OPTION 2
Enter keywords, phrases, or a Boolean expression Help

```
(dialogue <or> dialog) <and> user <and>
((software <phrase> agent) <or>
(intelligent <phrase> agent) <or> spider))
```

[redacted]

» Note: You may use the search operators <and> or <or> without the start and end brackets <>.

» Learn more about Field Codes, Search Examples, and Search Operators

» Publications
- Select publications
  - IEEE Periodicals
  - IET Periodicals
  - IEEE Conference
  - IET Conference Pi
  - IEEE Standards

» Other Resources (Availat
- IEEE Books

» Standard Status
(Applies to IEEE Standards
Status All

» Select date range
- Search latest content u
- From year All
  to Present

» Display Format
- Citation
- Citatic

» Organize results
Maximum 100
Display 25 resi
Sort by Relevance
In Descending

Help Contact Us

© Copyright 2(

Indexed by Inspec

IEEE Xplore® RELEASE 2.3

Welcome United States Patent and Trademark Office

OPTION 1
Enter keywords or phrases, select fields, and select operators

Help

[ ] in All Fields

AND [ ] in All Fields

AND [ ] in All Fields

[redacted]

» Note: If you use all three search boxes, the entries in the first two boxes take precedence over the entry in the third box.

OPTION 2
Enter keywords, phrases, or a Boolean expression

Help

```
(dialogue <or> dialog) <and> user <and>
(software <phrase> agent)
```

[redacted]

» Note: You may use the search operators <and> or <or> without the start and end brackets <>.

» Learn more about Field Codes, Search Examples, and Search Operators

» Publications

Select publications

- IEEE Periodicals
- IET Periodicals
- IEEE Conference
- IET Conference P
- IEEE Standards

» Other Resources (Availat

- IEEE Books

» Standard Status
(Applies to IEEE Standards

Status All

» Select date range

Search latest content u

From year All

to Present

» Display Format

Citation Citatic

» Organize results

Maximum 100

Display 25 resi

Sort by Relevance

In Descending

Help Contact Us

© Copyright 2(

Indexed by Inspec®

IEEE Xplore® RELEASE 2.3

Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

Search Results BROWSE SEARCH IEEE XPLORE GUIDE

Results for "(((dialogue <or> dialog) <and> user <and> (software <phrase> agent))<in&g..." e-mail
Your search matched **29** of **1618078** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

(((dialogue <or> dialog) <and> user <and> (software <phrase> agent))<in>metadata) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IET JNL	IET Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IET CNF	IET Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

1. **An architecture for designing distributed spoken dialogue interfaces**
Allen, C.; Stoecklin, S.; Bobbie, P.; Qian Chen; Ping Wu;
Tools with Artificial Intelligence, 1999. Proceedings. 11th IEEE International Cc
9-11 Nov. 1999 Page(s):245 - 252
Digital Object Identifier 10.1109/TAI.1999.809793
AbstractPlus | Full Text: PDF(76 KB) IEEE CNF
Rights and Permissions

2. **A BDI agent architecture for dialogue modelling and coordination in a sm assistant**
Wobcke, W.; Ho, V.; Nguyen, A.; Krzywicki, A.;
Intelligent Agent Technology, IEEE/WIC/ACM International Conference on
19-22 Sept. 2005 Page(s):323 - 329
Digital Object Identifier 10.1109/IAT.2005.3
AbstractPlus | Full Text: PDF(304 KB) IEEE CNF
Rights and Permissions

3. **A dialogue agent with adaptive and proactive capabilities**
Baudoin, F.; Bretier, P.; Corruble, V.;
Intelligent Agent Technology, IEEE/WIC/ACM International Conference on
19-22 Sept. 2005 Page(s):293 - 296
Digital Object Identifier 10.1109/IAT.2005.8
AbstractPlus | Full Text: PDF(240 KB) IEEE CNF
Rights and Permissions

4. **Extensibility and Reuse in an Agent-Based Dialogue Model**
Nguyen, A.; Wobeke, W.;
Web Intelligence and International Agent Technology Workshops, 2006. WI-IA
Workshops. 2006 IEEE/WIC/ACM International Conference on
Dec. 2006 Page(s):367 - 371
Digital Object Identifier 10.1109/WI-IATW.2006.70
AbstractPlus | Full Text: PDF(169 KB) IEEE CNF
Rights and Permissions

5. **Dialogue-based human-robot interaction for space construction teams**
Jones, H.; Rock, S.;
Aerospace Conference Proceedings, 2002. IEEE
Volume 7, 9-16 March 2002 Page(s):7-3645 - 7-3653 vol.7

Digital Object Identifier 10.1109/AERO.2002.1035340

AbstractPlus | Full Text: PDF(963 KB) IEEE CNF
Rights and Permissions

6. **A multi-purpose dialogue management system employing visual anthrop agent**
Mori, M.; Dohi, H.; Ishizuka, M.;
Robot and Human Communication, 1995. RO-MAN'95 TOKYO, Proceedings., International Workshop on
5-7 July 1995 Page(s):187 - 192
Digital Object Identifier 10.1109/ROMAN.1995.531958

AbstractPlus | Full Text: PDF(468 KB) IEEE CNF
Rights and Permissions

7. **Designing Web-based adaptive support for debate with dialogue modelir**
Cook, J.;
Advanced Learning Technologies, 2000. IWALT 2000. Proceedings. Internatio
4-6 Dec. 2000 Page(s):15 - 16
Digital Object Identifier 10.1109/IWALT.2000.890553

AbstractPlus | Full Text: PDF(176 KB) IEEE CNF
Rights and Permissions

8. **Man and machine bidirectional communication interface using voice and**
Watanabe, Y.; Sugiyama, S.; Tanaka, K.; Yagi, T.; Nishimura, K.; Abe, N.; Tak
Cybernetics and Intelligent Systems, 2004 IEEE Conference on
Volume 2, 2004 Page(s):970 - 975
Digital Object Identifier 10.1109/ICCIS.2004.1460720

AbstractPlus | Full Text: PDF(1009 KB) IEEE CNF
Rights and Permissions

9. **Multi modal user interaction in an automatic pool trainer**
Larsen, L.B.; Jensen, M.D.; Vodzi, W.K.;
Multimodal Interfaces, 2002. Proceedings. Fourth IEEE International Conferen
14-16 Oct. 2002 Page(s):361 - 366
Digital Object Identifier 10.1109/ICMI.2002.1167022

AbstractPlus | Full Text: PDF(478 KB) IEEE CNF
Rights and Permissions

10. **Layered modular action control for communicative humanoids**
Thorisson, K.R.;
Computer Animation '97
5-6 June 1997 Page(s):134 - 143
Digital Object Identifier 10.1109/CA.1997.601055

AbstractPlus | Full Text: PDF(1020 KB) IEEE CNF
Rights and Permissions

11. **Automated support for human mixed initiative decision and control**
Penner, R.R.; Steinmetz, E.S.;
Decision and Control, 2003. Proceedings. 42nd IEEE Conference on
Volume 4, 9-12 Dec. 2003 Page(s):3549 - 3554 vol.4
Digital Object Identifier 10.1109/CDC.2003.1271698

AbstractPlus | Full Text: PDF(761 KB) IEEE CNF
Rights and Permissions

12. **A visual anthropomorphic agent with learning capability of cooperative a strategy through speech dialog**
Takama, Y.; Dohi, H.; Ishizuka, M.;
Computer Human Interaction, 1998. Proceedings. 3rd Asia Pacific
15-17 July 1998 Page(s):260 - 265

Digital Object Identifier 10.1109/APCHI.1998.704331

AbstractPlus | Full Text: PDF(272 KB) IEEE CNF
Rights and Permissions

13. **A personalized restaurant recommender agent for mobile e-service**
Hung-Wen Tung; Von-Wun Soo;
e-Technology, e-Commerce and e-Service, 2004. EEE '04. 2004 IEEE Interna
on
28-31 March 2004 Page(s):259 - 262
Digital Object Identifier 10.1109/EEE.2004.1287319

AbstractPlus | Full Text: PDF(322 KB) IEEE CNF
Rights and Permissions

14. **Dynamic multi-agent architecture for multimedia multimodal dialogs**
Djenidi, H.; Tadj, C.; Ramdane-Cherif, A.; Levy, N.;
Knowledge Media Networking, 2002. Proceedings. IEEE Workshop on
10-12 July 2002 Page(s):107 - 113
Digital Object Identifier 10.1109/KMN.2002.1115171

AbstractPlus | Full Text: PDF(326 KB) IEEE CNF
Rights and Permissions

15. **Active: A Unified Platform for Building Intelligent Web Interaction Assist**
Guzzoni, D.; Baur, C.; Cheyer, A.;
Web Intelligence and International Agent Technology Workshops, 2006. WI-IA
Workshops. 2006 IEEE/WIC/ACM International Conference on
Dec. 2006 Page(s):417 - 420
Digital Object Identifier 10.1109/WI-IATW.2006.27

AbstractPlus | Full Text: PDF(155 KB) IEEE CNF
Rights and Permissions

16. **Acquiring and transferring intellectual skills with modifiable software adv inquiry support environment**
Shimoda, T.A.; White, B.Y.; Frederiksen, J.R.;
System Sciences, 1999. HICSS-32. Proceedings of the 32nd Annual Hawaii Ir
Conference on
Volume Track1, 5-8 Jan. 1999 Page(s):10 pp.
Digital Object Identifier 10.1109/HICSS.1999.772805

AbstractPlus | Full Text: PDF(196 KB) IEEE CNF
Rights and Permissions

17. **Adapting computer-human interaction in real time**
Frutos, S.; Gonzalez, A.L.; Martinez, L.; Montes, C.;
Systems, Man, and Cybernetics, 1998. 1998 IEEE International Conference or
Volume 1, 11-14 Oct 1998 Page(s):1038 - 1043 vol.1
Digital Object Identifier 10.1109/ICSMC.1998.725554

AbstractPlus | Full Text: PDF(572 KB) IEEE CNF
Rights and Permissions

18. **Mixed-initiative interaction**
Allen, J.E.; Guinn, C.I.; Horvtz, E.;
Intelligent Systems and Their Applications, IEEE [see also IEEE Intelligent Sys
Volume 14, Issue 5, Sept.-Oct. 1999 Page(s):14 - 23
Digital Object Identifier 10.1109/5254.796083

AbstractPlus | References | Full Text: PDF(812 KB) IEEE JNL
Rights and Permissions

19. **Defeasible Protocols in Persuasion Dialogues**
Letia, I.A.; Vartic, R.;
Web Intelligence and International Agent Technology Workshops, 2006. WI-IA

Workshops, 2006 IEEE/WIC/ACM International Conference on
Dec. 2006 Page(s):359 - 362
Digital Object Identifier 10.1109/WI-IATW.2006.56

AbstractPlus | Full Text: PDF(166 KB) IEEE CNF
Rights and Permissions

☐ **20. esigning automated help using searcher system dialogues**
Jansen, B.J.;
Systems, Man and Cybernetics, 2003. IEEE International Conference on
Volume 1, 5-8 Oct. 2003 Page(s):744 - 749 vol.1
Digital Object Identifier 10.1109/ICSMC.2003.1243903

AbstractPlus | Full Text: PDF(470 KB) IEEE CNF
Rights and Permissions

☐ **21. Maintaining credible dialogs in a VideoBot system with special audio tec**
DeGroot, D.;
Tools with Artificial Intelligence, Proceedings of the 13th International Confere
7-9 Nov. 2001 Page(s):351 - 358
Digital Object Identifier 10.1109/ICTAI.2001.974483

AbstractPlus | Full Text: PDF(66 KB) IEEE CNF
Rights and Permissions

☐ **22. Agent and user inhabited virtual communities: a case study**
Nijholt, A.;
Knowledge-Based Intelligent Engineering Systems and Allied Technologies, 2
Fourth International Conference on
Volume 1, 30 Aug.-1 Sept. 2000 Page(s):337 - 340 vol.1
Digital Object Identifier 10.1109/KES.2000.885825

AbstractPlus | Full Text: PDF(368 KB) IEEE CNF
Rights and Permissions

☐ **23. Effective human-computer cooperative spoken dialogue: the AGS demor**
Sadek, M.D.; Ferrieux, A.; Cozannet, A.; Bretier, P.; Panaget, F.; Simonin, J.;
Spoken Language, 1996. ICSLP 96. Proceedings., Fourth International Confer
Volume 1, 3-6 Oct. 1996 Page(s):546 - 549 vol.1
Digital Object Identifier 10.1109/ICSLP.1996.607175

AbstractPlus | Full Text: PDF(416 KB) IEEE CNF
Rights and Permissions

☐ **24. Q: a scenario description language for interactive agents**
Ishida, T.;
Computer
Volume 35, Issue 11, Nov. 2002 Page(s):42 - 47
Digital Object Identifier 10.1109/MC.2002.1046973

AbstractPlus | References | Full Text: PDF(753 KB) IEEE JNL
Rights and Permissions

☐ **25. Crafting the illusion of meaning: template-based specification of embodi conversational behavior**
Stone, M.; DeCarlo, D.;
Computer Animation and Social Agents, 2003. 16th International Conference c
8-9 May 2003 Page(s):11 - 16
Digital Object Identifier 10.1109/CASA.2003.1199298

AbstractPlus | Full Text: PDF(321 KB) IEEE CNF
Rights and Permissions

Help Contact Us Privacy &

Indexed by Inspec

© Copyright 2006 IEEE –

Results for "(((dialogue <or> dialog) <and> user <and> (software <phrase> agent))<in&g..." e-mail
Your search matched **29** of **1618078** documents.
A maximum of **29** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

(((dialogue <or> dialog) <and> user <and> (software <phrase> agent))<in>metadata) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

	Indicates full text access
IEEE JNL	IEEE Journal or Magazine
IET JNL	IET Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IET CNF	IET Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

26. Ontology-based Knowledge in Interactive Maintenance Guide
Nyrkko, S.; Carlson, L.; Keijola, M.; Ahonen-Myka, H.; Niemi, J.; Piitulainen, J. Meri, M.; Seitsonen, L.; Mannonen, P.; Juvonen, J.;
System Sciences, 2007. HICSS 2007. 40th Annual Hawaii International Confe
Jan. 2007 Page(s):47 - 47
Digital Object Identifier 10.1109/HICSS.2007.411
Abstract | Full Text: PDF(441 KB) IEEE CNF
Rights and Permissions

27. Intelligent technology for distributed design and monitoring of informatic
Awdoshin, J.G.; Bereznyatsky, A.V.;
Science and Technology, 2001. KORUS '01. Proceedings. The Fifth Russian-I International Symposium on
Volume 1, 26 June-3 July 2001 Page(s):108 - 110 vol.1
Digital Object Identifier 10.1109/KORUS.2001.975070
Abstract | Full Text: PDF(285 KB) IEEE CNF
Rights and Permissions

28. Agent-based support for public information kiosks
Mamdani, E.H.; Charlton, P.M.;
Intelligent Agents and Their Applications, IEE Colloquium on (Digest No: 1996.
30 April 1996 Page(s):4/1 - 4/3
Abstract | Full Text: PDF(240 KB) IET CNF

29. Activities of Interactive Speech Technology Consortium (ISTC) targeting development for MMI systems
Nitta, T.; Sagayama, S.; Yamashita, Y.; Kawahara, T.; Morishima, S.; Nakamu A.; Ito, K.; Kai, M.; Li, A.; Mimura, M.; Hirose, K.; Kobayashi, T.; Tokuda, K.; M Den, Y.; Utsuro, T.; Yotsukura, T.; Shimodaira, H.; Araki, M.; Nishimoto, T.; Ka Banno, H.; Katsurada, K.;
Robot and Human Interactive Communication, 2004. ROMAN 2004. 13th IEEE Workshop on
20-22 Sept. 2004 Page(s):165 - 170
Digital Object Identifier 10.1109/ROMAN.2004.1374749
Abstract | Full Text: PDF(1024 KB) IEEE CNF
Rights and Permissions

Help Contact Us Privacy &

Indexed by Inspec®

© Copyright 2006 IEEE –

ACM PORTAL
USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

SEARCH

THE ACM DIGITAL LIBRARY

Advanced Search

Search Tips

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

Desired Results:

must have **all** of the words or phrases
"software agent" "natural language"

must have **any** of the words or phrases
dialogue dialog user logical behavioral

must have **none** of the words or phrases

Name or Affiliation:

Authored by: all any none

Edited by: all any none

Reviewed by: all any none

Only search in:*

Title Abstract Review All Information

SEARCH

*Searches will be performed on all available information, including full text where available, unless specified above.

ISBN / ISSN: Exact Expand

DOI: Exact Expand

SEARCH

Published:

By: all any none

In: all any none

Since: Month Year

Before: Month Year

As: Any type of publication

Conference Proceeding:

Sponsored By:

Conference Location:

Conference Year: yyyy

SEARCH

Classification: (CCS) Primary Only

Classified as: all any none

Subject Descriptor: all any none

Keyword Assigned: all any none

Results must have accessible:

Full Text Abstract Review

SEARCH

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

ACM PORTAL
USPTO
Subscribe (Full Service) Register (Limited Service, Free) Login
Search: The ACM Digital Library The Guide
+"software agent" +"natural language" dialogue dialog user lo
SEARCH
THE ACM DIGITAL LIBRARY
Feedback Report a problem Satisfaction survey

Terms used: **software agent natural language dialogue dialog user logical behavioral**

Found **252** of **206,720**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 ISIS: an adaptive, trilingual conversational system with interleaving interaction and delegation dialogs
Helen Meng, P. C. Ching, Shuk Fong Chan, Yee Fong Wong, Cheong Chat Chan
September 2004 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 11 Issue 3
Publisher: ACM Press
Full text available: pdf(3.71 MB) Additional Information: full citation, abstract, references, index terms

ISIS (Intelligent Speech for Information Systems) is a trilingual spoken dialog system (SDS) for the stocks domain. It handles two dialects of Chinese (Cantonese and Putonghua) as well as English---the predominant languages in our region. The system supports spoken language queries regarding stock market information and simulated personal portfolios. The conversational interface is augmented with a screen display that can capture mouse-clicks as well as textual input by typing or stylus-writing. ...

Keywords: Human-computer spoken language interface, interaction and delegation dialogs

2 Computing curricula 2001
September 2001 **Journal on Educational Resources in Computing (JERIC)**
Publisher: ACM Press
Full text available: pdf(613.63 KB) html(2.78 KB) Additional Information: full citation, references, citings, index terms

3 Full Technical Papers: A reliable natural language interface to household appliances
Alexander Yates, Oren Etzioni, Daniel Weld
January 2003 **Proceedings of the 8th international conference on Intelligent user interfaces IUI '03**
Publisher: ACM Press
Full text available: pdf(233.97 KB) Additional Information: full citation, abstract, references, citings, index terms

As household appliances grow in complexity and sophistication, they become harder and harder to use, particularly because of their tiny display screens and limited keyboards. This paper describes a strategy for building natural language interfaces to appliances that

circumvents these problems. Our approach leverages decades of research on planning and natural language interfaces to databases by reducing the appliance problem to the database problem; the reduction provably maintains desirable pro ...

Keywords: appliance, database, natural language interface, planner

4 Adding a collaborative agent to graphical user interfaces

Charles Rich, Candace L. Sidner
November 1996 **Proceedings of the 9th annual ACM symposium on User interface software and technology UIST '96**
Publisher: ACM Press
Full text available: pdf(1.58 MB) Additional Information: full citation, references, citings, index terms

Keywords: SharedPlan, agent, collaboration, direct manipulating, discourse, window sharing

5 Adaptation to users: A goal-oriented interface to consumer electronics using planning and commonsense reasoning

Henry Lieberman, José Espinosa
January 2006 **Proceedings of the 11th international conference on Intelligent user interfaces IUI '06**
Publisher: ACM Press
Full text available: pdf(427.81 KB) Additional Information: full citation, abstract, references, cited by, index terms

We are reaching a crisis with design of user interfaces for consumer electronics. Flashing 12:00 time indicators, push-and-hold buttons, and interminable modes and menus are all symptoms of trying to maintain a one-to-one correspondence between functions and physical controls, which becomes hopeless as the number of capabilities of devices grows. We propose instead to orient interfaces around the goals that users have for the use of devices.We present Roadie, a user interface agent that provides ...

Keywords: commonsense reasoning, consumer electronics, goal-oriented interfaces, planning

6 Frontmatter (TOC, Letters, Election results, Software Reliability Resources!, Computing Curricula 2004 and the Software Engineering Volume SE2004, Software Reuse Research, ICSE 2005 Forward)

July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4
Publisher: ACM Press
Full text available: pdf(6.19 MB) Additional Information: full citation, index terms

7 Military applications: human systems modeling II: Exploring the constraints of human behavior representation

John C. Giordano, Paul F. Reynolds, David C. Brogan
December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**
Publisher: Winter Simulation Conference
Full text available: pdf(322.39 KB) Additional Information: full citation, abstract, references

Human behavior representation (HBR) is an elusive, yet critical goal for many in the simulation community. Requirement specifications related to HBR often exceed current capabilities. There exist a number of tools, techniques and frameworks to model and simulate HBR, but they are constrained and do not generalize well. Even with a vibrant research community, certain HBR characteristics remain beyond our grasp, unless some unforeseen disruptive technologies emerge. We survey the state of the prac ...

8 Interactive information retrieval systems: from user centered interface design to software design

P. Mulhem, L. Nigay

August 1996 **Proceedings of the 19th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '96**

Publisher: ACM Press

Full text available: pdf(1.48 MB) Additional Information: full citation, references, citings, index terms

9 Confirmation in multimodal systems

David R. McGee, Philip R. Cohen, Sharon Oviatt

August 1998 **Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2 , Proceedings of the 17th international conference on Computational linguistics - Volume 2**

Publisher: Association for Computational Linguistics

Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, references, citings

Systems that attempt to understand natural human input make mistakes, even humans. However, humans avoid misunderstandings by confirming doubtful input. *Multimodal systems*---those that combine simultaneous input from more than one modality, for example speech and gesture-have historically been designed so that they either request confirmation of speech, their primary modality, or not at all. Instead, we experimented with delaying confirmation until after the speech and gesture were combin ...

Keywords: confirmation, disambiguation, multimodal, uncertainty

10 Posters & demos: Using eye movements to determine referents in a spoken dialogue system

Ellen Campana, Jason Baldridge, John Dowding, Beth Ann Hockey, Roger W. Remington, Leland S. Stone

November 2001 **Proceedings of the 2001 workshop on Perceptive user interfaces PUI '01**

Publisher: ACM Press

Full text available: pdf(280.75 KB) Additional Information: full citation, abstract, references, citings, index terms

Most computational spoken dialogue systems take a "literary" approach to reference resolution. With this type of approach, entities that are mentioned by a human interactor are unified with elements in the world state based on the same principles that guide the process during text interpretation. In human-to-human interaction, however, referring is a much more collaborative process. Participants often under-specify their referents, relying on their discourse partners for feedback if more informa ...

Keywords: HCI, dialogue systems, eye tracking, reference resolution

11 A design space for multimodal systems: concurrent processing and data fusion

Laurence Nigay, Joëlle Coutaz

May 1993 **Proceedings of the SIGCHI conference on Human factors in computing systems CHI '93**
Publisher: ACM Press

Full text available: pdf(806.88 KB) Additional Information: full citation, abstract, references, citings, index terms

Multimodal interaction enables the user to employ different modalities such as voice, gesture and typing for communicating with a computer. This paper presents an analysis of the integration of multiple communication modalities within an interactive system. To do so, a software engineering perspective is adopted. First, the notion of "multimodal system" is clarified. We aim at proving that two main features of a multimodal system are the concurrency of processing and the fusion ...

Keywords: concurrency, data fusion, design space, modality, multimodal interaction, software architecture, taxonomy

12 Web technologies: Enabling conversations with web services
L. Ardissono, A. Goy, G. Petrone
July 2003 **Proceedings of the second international joint conference on Autonomous agents and multiagent systems AAMAS '03**
Publisher: ACM Press

Full text available: pdf(228.62 KB) Additional Information: full citation, abstract, references, citings, index terms

The emerging standards for the publication of Web Services enable the invocation of services having simple interaction protocols, but they fail to support complex e-business interactions, where the peers exchange several messages. In order to extend the classes of services which can be invoked by the consumers, we propose a conversational model supporting the management of complex interactions between clients and Web Services. Our model supports the consumer in the management of a conversation w ...

Keywords: conversational agents, web services

13 Interactive knowledge capture I: Knowledge management for product maturity
Guy A. Boy
October 2005 **Proceedings of the 3rd international conference on Knowledge capture K-CAP '05**
Publisher: ACM Press
Full text available: pdf(223.26 KB) Additional Information: full citation, abstract, references, index terms

When a new product is delivered, it seldom meets all customer needs. The mature phase of a product is driven by customer needs. It requires a human-centered development cycle. As a result, the company should be able to listen the voice of its customers. Most industrial companies are driven by engineers and by technology itself. If current technology is to serve all actors of the life cycle of a product, related companies need to change their ways of dealing with maturity. They have to stop being ...

Keywords: active design documents, design and development, knowledge management, maturity, user experience

14 Towards a road map on human language technology: natural language processing
Andreas Eisele, Dorothea Ziegler-Eisele
August 2002 **COLING-02 on A roadmap for computational linguistics - Volume 13**
Publisher: Association for Computational Linguistics

Full text available: pdf(270.05 KB) Additional Information: full citation, abstract, references

This document summarizes contributions and discussions from two workshops that took place in November 2000 and July 2001. It presents some visions of NLP-related applications that may become reality within ten years from now. It investigates the technological requirements that must be met in order to make these visions realistic and sketches milestones that may help to measure our progress towards these goals.

15 Establishing and maintaining long-term human-computer relationships

Timothy W. Bickmore, Rosalind W. Picard
June 2005 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 12 Issue 2
Publisher: ACM Press

Full text available: pdf(1.68 MB) Additional Information: full citation, abstract, references, citings, index terms

This research investigates the meaning of "human-computer relationship" and presents techniques for constructing, maintaining, and evaluating such relationships, based on research in social psychology, sociolinguistics, communication and other social sciences. Contexts in which relationships are particularly important are described, together with specific benefits (like trust) and task outcomes (like improved learning) known to be associated with relationship quality. We especially c ...

Keywords: Human-computer interaction, embodied conversational agent, relational agent, social interface

16 Requirements interaction management

William N. Robinson, Suzanne D. Pawlowski, Vecheslav Volkov
June 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 2
Publisher: ACM Press

Full text available: pdf(1.24 MB) Additional Information: full citation, abstract, references, citings, index terms

Requirements interaction management (RIM) is the set of activities directed toward the discovery, management, and disposition of critical relationships among sets of requirements, which has become a critical area of requirements engineering. This survey looks at the evolution of supporting concepts and their related literature, presents an issues-based framework for reviewing processes and products, and applies the framework in a review of RIM state-of-the-art. Finally, it presents seven researc ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin, analysis and design, composite system, deficiency driven design, dependency analysis, distributed intentionality, interaction analysis, software cost reduction (SCR)., system architecture, system specification, viewpoints

17 Long papers: recommendation and instruction: Animating an interactive conversational character for an educational game system

Andrea Corradini, Manish Mehta, Niels-Ole Bernsen, Marcela Charfuelan
January 2005 **Proceedings of the 10th international conference on Intelligent user interfaces IUI '05**
Publisher: ACM Press

Full text available: pdf(281.80 KB) Additional Information: full citation, abstract, references, index terms

Within the framework of the project NICE (Natural Interactive Communication for Edutainment) [2], we have been developing an educational and entertaining computer game that allows children and teenagers to interact with a conversational character

impersonating the fairy tale writer H.C. Andersen (HCA). The rationale behind our system is to make kids learn about HCA's life, fairy tales and historical period while playing and having fun. We report on the character's generation and realization of b ...

Keywords: edutainment, embodied conversational agent, multimodal output, user interface

18 SALT: an XML application for web-based multimodal dialog management

Kuansan Wang

September 2002 **Proceedings of the 2nd workshop on NLP and XML - Volume 17 NLPXML '02**

Publisher: Association for Computational Linguistics

Full text available: pdf(186.90 KB) Additional Information: full citation, abstract, references

This paper describes the Speech Application Language Tags, or SALT, an XML based spoken dialog standard for multimodal or speech-only applications. A key premise in SALT design is that speech-enabled user interface shares a lot of the design principles and computational requirements with the graphical user interface (GUI). As a result, it is logical to introduce into speech the object-oriented, event-driven model that is known to be flexible and powerful enough in meeting the requirements for re ...

19 A BDI agent architecture for dialogue modelling and coordination in a smart personal assistant

Wayne Wobcke, Van Ho, Anh Nguyen, Alfred Krzywicki

April 2006 **Proceedings of the 2005 NICTA-HCSNet Multimodal User Interaction Workshop - Volume 57 MMUI '05**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(160.03 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we discuss the architectural aspects of a Smart Personal Assistant (SPA) system that enables users to access a range of applications from a range of devices using multi-modal natural language dialogue. Each back-end application is a personal assistant specializing in one specific task such as e-mail or calendar management, and typically each has its own user model, enabling it to adapt to the user's changing preferences. The PDA interface to the SPA must present the system as a si ...

20 Extracting usability information from user interface events

David M. Hilbert, David F. Redmiles

December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4

Publisher: ACM Press

Full text available: pdf(1.50 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Modern window-based user interface systems generate user interface events as natural products of their normal operation. Because such events can be automatically captured and because they indicate user behavior with respect to an application's user interface, they have long been regarded as a potentially fruitful source of information regarding application usage and usability. However, because user interface events are typically voluminos and rich in detail, automated support is generally ...

Keywords: human-computer interaction, sequential data analysis, usability testing, user interface event monitoring

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

ACM PORTAL
USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

SEARCH

THE ACM DIGITAL LIBRARY

Advanced Search

Search Tips

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

Desired Results:

must have **all** of the words or phrases

"software agent" "natural language" dialogue user

must have **any** of the words or phrases

logical behavioral

must have **none** of the words or phrases

Name or Affiliation:

Authored by: all any none

Edited by: all any none

Reviewed by: all any none

Only search in:*

Title Abstract Review All Information

SEARCH

*Searches will be performed on all available information, including full text where available, unless specified above.

ISBN / ISSN: Exact Expand

DOI: Exact Expand

SEARCH

Published:

By: all any none

In: all any none

Since: Month Year

Before: Month Year

As: Any type of publication

Conference Proceeding:

Sponsored By:

Conference Location:

Conference Year: yyyy

SEARCH

Classification: (CCS) Primary Only

Classified as: all any none

Subject Descriptor: all any none

Keyword Assigned: all any none

Results must have accessible:

Full Text Abstract Review

SEARCH

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

PORTAL
USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

+"software agent" +"natural language" +dialogue +user logica SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used: **software agent natural language dialogue user logical behavioral**

Found **80** of **206,720**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 80 Result page: **1** 2 3 4 5 next

Relevance scale

1 Establishing and maintaining long-term human-computer relationships

Timothy W. Bickmore, Rosalind W. Picard

June 2005 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 12 Issue 2

Publisher: ACM Press

Full text available: pdf(1.68 MB) Additional Information: full citation, abstract, references, citings, index terms

This research investigates the meaning of "human-computer relationship" and presents techniques for constructing, maintaining, and evaluating such relationships, based on research in social psychology, sociolinguistics, communication and other social sciences. Contexts in which relationships are particularly important are described, together with specific benefits (like trust) and task outcomes (like improved learning) known to be associated with relationship quality. We especially c ...

Keywords: Human-computer interaction, embodied conversational agent, relational agent, social interface

2 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: pdf(613.63 KB) html(2.78 KB) Additional Information: full citation, references, citings, index terms

3 Long papers: recommendation and instruction: Animating an interactive conversational character for an educational game system

Andrea Corradini, Manish Mehta, Niels-Ole Bernsen, Marcela Charfuelan

January 2005 **Proceedings of the 10th international conference on Intelligent user interfaces IUI '05**

Publisher: ACM Press

Full text available: pdf(281.80 KB) Additional Information: full citation, abstract, references, index terms

Within the framework of the project NICE (Natural Interactive Communication for Edutainment) [2], we have been developing an educational and entertaining computer game that allows children and teenagers to interact with a conversational character

impersonating the fairy tale writer H.C. Andersen (HCA). The rationale behind our system is to make kids learn about HCA's life, fairy tales and historical period while playing and having fun. We report on the character's generation and realization of b ....

Keywords: edutainment, embodied conversational agent, multimodal output, user interface

4 Adding a collaborative agent to graphical user interfaces

Charles Rich, Candace L. Sidner

November 1996 **Proceedings of the 9th annual ACM symposium on User interface software and technology UIST '96**

Publisher: ACM Press

Full text available: pdf(1.58 MB) Additional Information: full citation, references, citings, index terms

Keywords: SharedPlan, agent, collaboration, direct manipulating, discourse, window sharing

5 Full Technical Papers: A reliable natural language interface to household appliances

Alexander Yates, Oren Etzioni, Daniel Weld

January 2003 **Proceedings of the 8th international conference on Intelligent user interfaces IUI '03**

Publisher: ACM Press

Full text available: pdf(233.97 KB) Additional Information: full citation, abstract, references, citings, index terms

As household appliances grow in complexity and sophistication, they become harder and harder to use, particularly because of their tiny display screens and limited keyboards. This paper describes a strategy for building natural language interfaces to appliances that circumvents these problems. Our approach leverages decades of research on planning and natural language interfaces to databases by reducing the appliance problem to the database problem; the reduction provably maintains desirable pro ...

Keywords: appliance, database, natural language interface, planner

6 Frontmatter (TOC, Letters, Election results, Software Reliability Resources!, Computing Curricula 2004 and the Software Engineering Volume SE2004, Software Reuse Research, ICSE 2005 Forward)

July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(6.19 MB) Additional Information: full citation, index terms

7 Interactive information retrieval systems: from user centered interface design to software design

P. Mulhem, L. Nigay

August 1996 **Proceedings of the 19th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '96**

Publisher: ACM Press

Full text available: pdf(1.48 MB) Additional Information: full citation, references, citings, index terms

8 ISIS: an adaptive, trilingual conversational system with interleaving interaction and delegation dialogs

Helen Meng, P. C. Ching, Shuk Fong Chan, Yee Fong Wong, Cheong Chat Chan
September 2004 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 11 Issue 3
Publisher: ACM Press
Full text available: pdf(3.71 MB) Additional Information: full citation, abstract, references, index terms

ISIS (Intelligent Speech for Information Systems) is a trilingual spoken dialog system (SDS) for the stocks domain. It handles two dialects of Chinese (Cantonese and Putonghua) as well as English---the predominant languages in our region. The system supports spoken language queries regarding stock market information and simulated personal portfolios. The conversational interface is augmented with a screen display that can capture mouse-clicks as well as textual input by typing or stylus-writing. ...

Keywords: Human-computer spoken language interface, interaction and delegation dialogs

9 Military applications: human systems modeling II: Exploring the constraints of human behavior representation

John C. Giordano, Paul F. Reynolds, David C. Brogan
December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**
Publisher: Winter Simulation Conference
Full text available: pdf(322.39 KB) Additional Information: full citation, abstract, references

Human behavior representation (HBR) is an elusive, yet critical goal for many in the simulation community. Requirement specifications related to HBR often exceed current capabilities. There exist a number of tools, techniques and frameworks to model and simulate HBR, but they are constrained and do not generalize well. Even with a vibrant research community, certain HBR characteristics remain beyond our grasp, unless some unforeseen disruptive technologies emerge. We survey the state of the prac ...

10 E-marketing & e-businesses: Designing intelligent sales-agent for online selling

Shiu-li Huang, Fu-ren Lin
August 2005 **Proceedings of the 7th international conference on Electronic commerce ICEC '05**
Publisher: ACM Press
Full text available: pdf(523.25 KB) Additional Information: full citation, abstract, references, index terms

Online purchase from e-stores is getting popular as the prevalence of electronic commerce. At current stage, most e-stores resemble vending machines rather than real stores because they lack clerks to persuade prospects into buying products and to bargain with the customers for making a good deal. This research designs an easy-to-use and autonomous sales-agent to act as a virtual clerk in an e-store, and then investigates whether an e-store with this virtual clerk could increase customers' produ ...

Keywords: abstract argumentation framework, negotiation, persuasion, reinforcement learning, sales-agent

11 Adaptation to users: A goal-oriented interface to consumer electronics using planning and commonsense reasoning

Henry Lieberman, José Espinosa
January 2006 **Proceedings of the 11th international conference on Intelligent user**

interfaces IUI '06
Publisher: ACM Press

Full text available: pdf(427.81 KB) Additional Information: full citation, abstract, references, cited by, index terms

We are reaching a crisis with design of user interfaces for consumer electronics. Flashing 12:00 time indicators, push-and-hold buttons, and interminable modes and menus are all symptoms of trying to maintain a one-to-one correspondence between functions and physical controls, which becomes hopeless as the number of capabilities of devices grows. We propose instead to orient interfaces around the goals that users have for the use of devices.We present Roadie, a user interface agent that provides ...

Keywords: commonsense reasoning, consumer electronics, goal-oriented interfaces, planning

12 Strategic directions in artificial intelligence

Jon Doyle, Thomas Dean
December 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 4
Publisher: ACM Press
Full text available: pdf(243.02 KB) Additional Information: full citation, references, index terms

13 An intelligent distributed environment for active learning

Yi Shang, Hongchi Shi, Su-Shing Chen
April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01**
Publisher: ACM Press
Full text available: pdf(200.31 KB) Additional Information: full citation, references, citings, index terms

Keywords: XML, active learning, multi-agent system, web-based education

14 Session 5C: conversational agents: A plug-in architecture for generating collaborative agent responses

Charles Rich, Neal Lesh, Andrew Garland, Jeff Rickel
July 2002 **Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 2 AAMAS '02**
Publisher: ACM Press
Full text available: pdf(453.82 KB) Additional Information: full citation, abstract, references, citings, index terms

We describe an implemented architecture for programming the responses of collaborative interface agents out of easily composable and reusable plug-in components, and discuss the underlying theoretical and practical issues. The power of the architecture comes primarily from a rich representation of collaborative discourse state, which includes a focus stack and plan tree. The architecture also provides a useful separation between the principles and preferences underlying an agent's behavior. We i ...

Keywords: action selection and planning, agent architectures, conversational agents, interface agents

15 Window sharing with collaborative interface agents

Charles Rich
January 1996 **ACM SIGCHI Bulletin**, Volume 28 Issue 1
Publisher: ACM Press
Full text available: pdf(1.03 MB) Additional Information: full citation, abstract, citings, index terms

An implemented system is described which allows a software agent to collaborate with a human user using a shared application window. The system automatically controls input permission and also provides mechanisms for signalling and communication. A generalization of the system to multiple users and agents, called NShare, is compared with common window-sharing tools, such as SharedX. This work is part of a larger agenda to apply principles of human collaboration and discourse structure to human-c ...

16 Perceptual user interfaces: multimodal interfaces that process what comes naturally
Sharon Oviatt, Philip Cohen
March 2000 **Communications of the ACM**, Volume 43 Issue 3
Publisher: ACM Press
Full text available: pdf(256.26 KB) html(38.29 KB) Additional Information: full citation, references, citings, index terms

17 Confirmation in multimodal systems
David R. McGee, Philip R. Cohen, Sharon Oviatt
August 1998 **Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2 , Proceedings of the 17th international conference on Computational linguistics - Volume 2**
Publisher: Association for Computational Linguistics
Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, references, citings

Systems that attempt to understand natural human input make mistakes, even humans. However, humans avoid misunderstandings by confirming doubtful input. *Multimodal systems*---those that combine simultaneous input from more than one modality, for example speech and gesture-have historically been designed so that they either request confirmation of speech, their primary modality, or not at all. Instead, we experimented with delaying confirmation until after the speech and gesture were combin ...

Keywords: confirmation, disambiguation, multimodal, uncertainty

18 Animated autonomous personal representatives
Timothy W. Bickmore, Linda K. Cook, Elizabeth F. Churchill, Joseph W. Sullivan
May 1998 **Proceedings of the second international conference on Autonomous agents AGENTS '98**
Publisher: ACM Press
Full text available: pdf(932.14 KB) Additional Information: full citation, references, citings, index terms

Keywords: autonomous agent, avatar, self-presentation, synthetic character

19 Posters & demos: Using eye movements to determine referents in a spoken dialogue system
Ellen Campana, Jason Baldridge, John Dowding, Beth Ann Hockey, Roger W. Remington, Leland S. Stone
November 2001 **Proceedings of the 2001 workshop on Perceptive user interfaces PUI '01**

Publisher: ACM Press

Full text available: pdf(280.75 KB) Additional Information: full citation, abstract, references, citings, index terms

Most computational spoken dialogue systems take a "literary" approach to reference resolution. With this type of approach, entities that are mentioned by a human interactor are unified with elements in the world state based on the same principles that guide the process during text interpretation. In human-to-human interaction, however, referring is a much more collaborative process. Participants often under-specify their referents, relying on their discourse partners for feedback if more informa ...

Keywords: HCI, dialogue systems, eye tracking, reference resolution

20 A design space for multimodal systems: concurrent processing and data fusion

Laurence Nigay, Joëlle Coutaz

May 1993 **Proceedings of the SIGCHI conference on Human factors in computing systems CHI '93**

Publisher: ACM Press

Full text available: pdf(806.88 KB) Additional Information: full citation, abstract, references, citings, index terms

Multimodal interaction enables the user to employ different modalities such as voice, gesture and typing for communicating with a computer. This paper presents an analysis of the integration of multiple communication modalities within an interactive system. To do so, a software engineering perspective is adopted. First, the notion of "multimodal system" is clarified. We aim at proving that two main features of a multimodal system are the concurrency of processing and the fusion ...

Keywords: concurrency, data fusion, design space, modality, multimodal interaction, software architecture, taxonomy

Results 1 - 20 of 80 Result page: **1** 2 3 4 5 next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

ACM PORTAL
USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

SEARCH

THE ACM DIGITAL LIBRARY

Advanced Search

Search Tips

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

Desired Results:

must have **all** of the words or phrases

"software agent" "natural language" dialogue user logic

must have **any** of the words or phrases

must have **none** of the words or phrases

Name or Affiliation:

Authored by: all any none

Edited by: all any none

Reviewed by: all any none

Only search in:*

Title Abstract Review All Information

SEARCH

*Searches will be performed on all available information, including full text where available, unless specified above.

ISBN / ISSN: Exact Expand

DOI: Exact Expand

SEARCH

Published:

By: all any none

In: all any none

Since: Month Year

Before: Month Year

As: Any type of publication

Conference Proceeding:

Sponsored By:

Conference Location:

Conference Year: yyyy

SEARCH

Classification: (CCS) Primary Only

Classified as: all any none

Subject Descriptor: all any none

Keyword Assigned: all any none

Results must have accessible:

Full Text Abstract Review

SEARCH

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

ACM PORTAL
USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

+"software agent" +"natural language" +dialogue +user +logi SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used: **software agent natural language dialogue user logical behavioral**

Found **27** of **206,720**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 27 Result page: **1** 2 next

Relevance scale

1 Establishing and maintaining long-term human-computer relationships

Timothy W. Bickmore, Rosalind W. Picard

June 2005 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 12 Issue 2

Publisher: ACM Press

Full text available: pdf(1.68 MB) Additional Information: full citation, abstract, references, citings, index terms

This research investigates the meaning of "human-computer relationship" and presents techniques for constructing, maintaining, and evaluating such relationships, based on research in social psychology, sociolinguistics, communication and other social sciences. Contexts in which relationships are particularly important are described, together with specific benefits (like trust) and task outcomes (like improved learning) known to be associated with relationship quality. We especially c ...

Keywords: Human-computer interaction, embodied conversational agent, relational agent, social interface

2 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: pdf(613.63 KB) html(2.78 KB) Additional Information: full citation, references, citings, index terms

3 Long papers: recommendation and instruction: Animating an interactive conversational character for an educational game system

Andrea Corradini, Manish Mehta, Niels-Ole Bernsen, Marcela Charfuelan

January 2005 **Proceedings of the 10th international conference on Intelligent user interfaces IUI '05**

Publisher: ACM Press

Full text available: pdf(281.80 KB) Additional Information: full citation, abstract, references, index terms

Within the framework of the project NICE (Natural Interactive Communication for Edutainment) [2], we have been developing an educational and entertaining computer game that allows children and teenagers to interact with a conversational character

impersonating the fairy tale writer H.C. Andersen (HCA). The rationale behind our system is to make kids learn about HCA's life, fairy tales and historical period while playing and having fun. We report on the character's generation and realization of b ...

Keywords: edutainment, embodied conversational agent, multimodal output, user interface

4 Adding a collaborative agent to graphical user interfaces

Charles Rich, Candace L. Sidner

November 1996 **Proceedings of the 9th annual ACM symposium on User interface software and technology UIST '96**

Publisher: ACM Press

Full text available: pdf(1.58 MB) Additional Information: full citation, references, citings, index terms

Keywords: SharedPlan, agent, collaboration, direct manipulating, discourse, window sharing

5 Full Technical Papers: A reliable natural language interface to household appliances

Alexander Yates, Oren Etzioni, Daniel Weld

January 2003 **Proceedings of the 8th international conference on Intelligent user interfaces IUI '03**

Publisher: ACM Press

Full text available: pdf(233.97 KB) Additional Information: full citation, abstract, references, citings, index terms

As household appliances grow in complexity and sophistication, they become harder and harder to use, particularly because of their tiny display screens and limited keyboards. This paper describes a strategy for building natural language interfaces to appliances that circumvents these problems. Our approach leverages decades of research on planning and natural language interfaces to databases by reducing the appliance problem to the database problem; the reduction provably maintains desirable pro ...

Keywords: appliance, database, natural language interface, planner

6 Frontmatter (TOC, Letters, Election results, Software Reliability Resources!, Computing Curricula 2004 and the Software Engineering Volume SE2004, Software Reuse Research, ICSE 2005 Forward)

July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(6.19 MB) Additional Information: full citation, index terms

7 Interactive information retrieval systems: from user centered interface design to software design

P. Mulhem, L. Nigay

August 1996 **Proceedings of the 19th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '96**

Publisher: ACM Press

Full text available: pdf(1.48 MB) Additional Information: full citation, references, citings, index terms

8 ISIS: an adaptive, trilingual conversational system with interleaving interaction and delegation dialogs

Helen Meng, P. C. Ching, Shuk Fong Chan, Yee Fong Wong, Cheong Chat Chan

September 2004 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 11 Issue 3

Publisher: ACM Press

Full text available: pdf(3.71 MB) Additional Information: full citation, abstract, references, index terms

ISIS (Intelligent Speech for Information Systems) is a trilingual spoken dialog system (SDS) for the stocks domain. It handles two dialects of Chinese (Cantonese and Putonghua) as well as English---the predominant languages in our region. The system supports spoken language queries regarding stock market information and simulated personal portfolios. The conversational interface is augmented with a screen display that can capture mouse-clicks as well as textual input by typing or stylus-writing. ...

Keywords: Human-computer spoken language interface, interaction and delegation dialogs

9 Military applications: human systems modeling II: Exploring the constraints of human behavior representation

John C. Giordano, Paul F. Reynolds, David C. Brogan

December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**

Publisher: Winter Simulation Conference

Full text available: pdf(322.39 KB) Additional Information: full citation, abstract, references

Human behavior representation (HBR) is an elusive, yet critical goal for many in the simulation community. Requirement specifications related to HBR often exceed current capabilities. There exist a number of tools, techniques and frameworks to model and simulate HBR, but they are constrained and do not generalize well. Even with a vibrant research community, certain HBR characteristics remain beyond our grasp, unless some unforeseen disruptive technologies emerge. We survey the state of the prac ...

10 E-marketing & e-businesses: Designing intelligent sales-agent for online selling

Shiu-li Huang, Fu-ren Lin

August 2005 **Proceedings of the 7th international conference on Electronic commerce ICEC '05**

Publisher: ACM Press

Full text available: pdf(523.25 KB) Additional Information: full citation, abstract, references, index terms

Online purchase from e-stores is getting popular as the prevalence of electronic commerce. At current stage, most e-stores resemble vending machines rather than real stores because they lack clerks to persuade prospects into buying products and to bargain with the customers for making a good deal. This research designs an easy-to-use and autonomous sales-agent to act as a virtual clerk in an e-store, and then investigates whether an e-store with this virtual clerk could increase customers' produ ...

Keywords: abstract argumentation framework, negotiation, persuasion, reinforcement learning, sales-agent

11 Adaptation to users: A goal-oriented interface to consumer electronics using planning and commonsense reasoning

Henry Lieberman, José Espinosa

January 2006 **Proceedings of the 11th international conference on Intelligent user**

interfaces IUI '06
Publisher: ACM Press

Full text available: pdf(427.81 KB) Additional Information: full citation, abstract, references, cited by, index terms

We are reaching a crisis with design of user interfaces for consumer electronics. Flashing 12:00 time indicators, push-and-hold buttons, and interminable modes and menus are all symptoms of trying to maintain a one-to-one correspondence between functions and physical controls, which becomes hopeless as the number of capabilities of devices grows. We propose instead to orient interfaces around the goals that users have for the use of devices.We present Roadie, a user interface agent that provides ...

Keywords: commonsense reasoning, consumer electronics, goal-oriented interfaces, planning

12 Strategic directions in artificial intelligence
Jon Doyle, Thomas Dean
December 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 4
Publisher: ACM Press
Full text available: pdf(243.02 KB) Additional Information: full citation, references, index terms

13 An intelligent distributed environment for active learning
Yi Shang, Hongchi Shi, Su-Shing Chen
April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01**
Publisher: ACM Press
Full text available: pdf(200.31 KB) Additional Information: full citation, references, citings, index terms

Keywords: XML, active learning, multi-agent system, web-based education

14 Session 5C: conversational agents: A plug-in architecture for generating collaborative agent responses
Charles Rich, Neal Lesh, Andrew Garland, Jeff Rickel
July 2002 **Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 2 AAMAS '02**
Publisher: ACM Press
Full text available: pdf(453.82 KB) Additional Information: full citation, abstract, references, citings, index terms

We describe an implemented architecture for programming the responses of collaborative interface agents out of easily composable and reusable plug-in components, and discuss the underlying theoretical and practical issues. The power of the architecture comes primarily from a rich representation of collaborative discourse state, which includes a focus stack and plan tree. The architecture also provides a useful separation between the principles and preferences underlying an agent's behavior. We i ...

Keywords: action selection and planning, agent architectures, conversational agents, interface agents

15 Window sharing with collaborative interface agents

Charles Rich
January 1996 **ACM SIGCHI Bulletin**, Volume 28 Issue 1
Publisher: ACM Press
Full text available: pdf(1.03 MB) Additional Information: full citation, abstract, citings, index terms

An implemented system is described which allows a software agent to collaborate with a human user using a shared application window. The system automatically controls input permission and also provides mechanisms for signalling and communication. A generalization of the system to multiple users and agents, called NShare, is compared with common window-sharing tools, such as SharedX. This work is part of a larger agenda to apply principles of human collaboration and discourse structure to human-c ...

16 Perceptual user interfaces: multimodal interfaces that process what comes naturally

Sharon Oviatt, Philip Cohen
March 2000 **Communications of the ACM**, Volume 43 Issue 3
Publisher: ACM Press
Full text available: pdf(256.26 KB) html(38.29 KB) Additional Information: full citation, references, citings, index terms

17 Confirmation in multimodal systems

David R. McGee, Philip R. Cohen, Sharon Oviatt
August 1998 **Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2 , Proceedings of the 17th international conference on Computational linguistics - Volume 2**
Publisher: Association for Computational Linguistics
Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, references, citings

Systems that attempt to understand natural human input make mistakes, even humans. However, humans avoid misunderstandings by confirming doubtful input. *Multimodal systems*---those that combine simultaneous input from more than one modality, for example speech and gesture-have historically been designed so that they either request confirmation of speech, their primary modality, or not at all. Instead, we experimented with delaying confirmation until after the speech and gesture were combin ...

Keywords: confirmation, disambiguation, multimodal, uncertainty

18 Animated autonomous personal representatives

Timothy W. Bickmore, Linda K. Cook, Elizabeth F. Churchill, Joseph W. Sullivan
May 1998 **Proceedings of the second international conference on Autonomous agents AGENTS '98**
Publisher: ACM Press
Full text available: pdf(932.14 KB) Additional Information: full citation, references, citings, index terms

Keywords: autonomous agent, avatar, self-presentation, synthetic character

19 Posters & demos: Using eye movements to determine referents in a spoken dialogue system

Ellen Campana, Jason Baldridge, John Dowding, Beth Ann Hockey, Roger W. Remington, Leland S. Stone
November 2001 **Proceedings of the 2001 workshop on Perceptive user interfaces PUI '01**

Publisher: ACM Press

Full text available: pdf(280.75 KB) Additional Information: full citation, abstract, references, citings, index terms

Most computational spoken dialogue systems take a "literary" approach to reference resolution. With this type of approach, entities that are mentioned by a human interactor are unified with elements in the world state based on the same principles that guide the process during text interpretation. In human-to-human interaction, however, referring is a much more collaborative process. Participants often under-specify their referents, relying on their discourse partners for feedback if more informa ...

Keywords: HCI, dialogue systems, eye tracking, reference resolution

20 A design space for multimodal systems: concurrent processing and data fusion

Laurence Nigay, Joëlle Coutaz

May 1993 **Proceedings of the SIGCHI conference on Human factors in computing systems CHI '93**

Publisher: ACM Press

Full text available: pdf(806.88 KB) Additional Information: full citation, abstract, references, citings, index terms

Multimodal interaction enables the user to employ different modalities such as voice, gesture and typing for communicating with a computer. This paper presents an analysis of the integration of multiple communication modalities within an interactive system. To do so, a software engineering perspective is adopted. First, the notion of "multimodal system" is clarified. We aim at proving that two main features of a multimodal system are the concurrency of processing and the fusion ...

Keywords: concurrency, data fusion, design space, modality, multimodal interaction, software architecture, taxonomy

Results 1 - 20 of 27 Result page: **1** 2 next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player